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From: David P. Halstead

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Date: January 3, 2002

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File Symbol: HMSU-P11-006

Personal ID Number: H28436

Submitted By: David P. Halstead

Phone: (617) 951-7000

Comments: **U.S. Application No.: 08/954,771**

Filing Date: October 20, 1997

**Title: Vertebrate Embryonic Pattern-Inducing Proteins and
Uses Related Thereto**

Group Art Unit: 1646

Our Reference No.: HMSU-P11-006

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

Ingham et al.

Serial No: 08/954,771

Filed: October 20, 1997

For: Vertebrate Embryonic Pattern-Inducing
Proteins and Uses Related Thereto

Attorney Docket No. HMSU-P11-006

Art Unit: 1646

Examiner: M. Brannock

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile in the United States Patent and Trademark Office on the date indicated below:

January 3, 2002

Date of Signature
and of Mail Deposit

Karen DiRocco

Assistant Commissioner of Patents
Washington, D.C. 20231

SUPPLEMENTAL AMENDMENT

Sir:

This supplemental amendment is being filed to correct amendments that may have been entered in error due to the inadvertent filing of a response identified by an incorrect serial number.

In the claims:

Please cancel all pending claims, without prejudice, and replace with new claims 123-164.

J1
J1
M1
123. (New) A method for promoting one or more of growth, differentiation, and survival of neuronal cells, comprising contacting said cells with an amount of a *hedgehog* polypeptide at least 80% identical to a sequence selected from SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 14, SEQ ID NO: 15, SEQ ID NO: 16, SEQ ID NO: 17, SEQ ID NO: 20, SEQ ID NO: 21 and N-terminal fragments of the preceding sequences that bind to a